2015
M.Sc.
3rd Semester Examination
MICROBIOLOGY
PAPER—MCB-305
(PRACTICAL)
Full Marks : 50
Time : 10 Hours

The figures in the right-hand margin indicate full marks.
Candidates are required to give their answers in their own words as far as practicable.

Group—A
Answer all questions.

1. Find out the monocyte from the stained blood film. 5
(Work-4, Comment-1)

2. Show the agglutination zone by Ouchterlony’s double diffusion technique using supplied antigen and antibody.

Or

Determine the quantity of sugar in the supplied blood sample. 11
(Principle-4, Work-5, Result-2)

(Turn Over)
3. Laboratory Note Book.  
5. Internal assessment.

**Group—B**

*Answer all questions.*

1. Enumerate the bacterial load in the supplied urine sample. Find out the sensitivity of those bacteria against the supplied antibiotics.

   *(Procedure—2+2, Result—4+4, Comment—1+1)*

   *Or*

   Evaluate the sugar fermentation efficiency of the given bacteria against the supplied sugar. Find out the catalase and citrate utilization efficiency of the supplied bacteria.

   *(Procedure—2+2, Result—4+4, Comment—1+1)*

2. Viva-voce.  
3. Laboratory Note Book.  
4. Internal assessment.